



ITW

S&amp;H Form: (09/07)

<b>REPLY/AMENDMENT FEE TRANSMITTAL</b>	Attorney Docket No.	1454.1629	
	Application Number	10/553,411	
	Filing Date	October 17, 2005	
	First Named Inventor	Martin BOSSERT et al.	
	Group Art Unit	4183	
AMOUNT ENCLOSED	0.00	Examiner Name	Ichieh Cheng

**FEE CALCULATION (fees effective 09/30/07)**

CLAIMS AS AMENDED	Claims Remaining After Amendment	Highest Number Previously Paid For	Number Extra	Rate	Calculations
TOTAL CLAIMS	11	- 20 =	0	X \$ 50.00 =	\$ 0.00
INDEPENDENT CLAIMS	3	- 3 =	0	X \$ 210.00 =	0.00

Since an Official Action set an original due date of June 27, 2008, petition is hereby made for an extension to cover the date this reply is filed for which the requisite fee is enclosed (1 month (\$120)); (2 months (\$460)); (3 months (\$1,050)); (4 months (\$1,640)); (5 months (\$2,230)):

If Notice of Appeal is enclosed, add (\$510.00)

If Statutory Disclaimer under Rule 20(d) is enclosed, add fee (\$130.00)

Information Disclosure Statement (Rule 1.17(p)) (\$180.00)

Total of above Calculations =

\$ 0.00

Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27 & 1.28)

**TOTAL FEES DUE =**

\$ 0.00

(1) If entry (1) is less than entry (2), entry (3) is "0".

(2) If entry (2) is less than 20, change entry (2) to "20".

(4) If entry (4) is less than entry (5), entry (6) is "0".

(5) If entry (5) is less than 3, change entry (5) to "3".

**METHOD OF PAYMENT**

- ☐ Check enclosed as payment.
- ☐ Charge "TOTAL FEES DUE" to the Deposit Account No. below.
- ☒ No payment is enclosed.

**GENERAL AUTHORIZATION**

- ☒ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:

Deposit Account No.

19-3935

Deposit Account Name

STAAS & HALSEY LLP

- ☒ The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC § 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.

SUBMITTED BY: STAAS & HALSEY LLP

Typed Name	Luminita A. Todor	Reg. No.	57,639
Signature		Date	June 26, 2008



Docket No.: 1454.1629

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of:

Martin BOSSERT et al.

Serial No. 10/553,411

Group Art Unit: 4183

Confirmation No. 3710

Filed: October 17, 2005

Examiner: Ichieh Cheng

For: METHOD AND TRANSMITTER FOR TRANSMITTING DATA IN A MULTI-CARRIER  
SYSTEM VIA A NUMBER OF TRANSMITTING ANTENNAS

**AMENDMENT**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

This is in response to the Office Action mailed March 27, 2008, and having a period for response set to expire on June 27, 2008.

The following amendments and remarks are respectfully submitted. Reconsideration of the claims is respectfully requested.

**IN THE SPECIFICATION:**

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~striketrough~~.

Please REPLACE the paragraph beginning at page 9, line 5, with the following paragraph:

[0035] Subsequently each entry  $S_{a,kl}$  of the matrix  $S_a$ , indexed by  $k$  and  $l$  is multiplied by an exponential function. The variable  $N$  in the exponent stands for the number of antennas in this case. The whole number shift  $\tilde{a}_k - \delta_k$  is subject to the condition  $0 \leq \tilde{a}_k - \delta_k \leq N-1$ .

Please REPLACE the paragraph beginning at page 9, line 8, with the following paragraph:

For two antennas the shift  $\tilde{a}_k - \delta_k$  can amount to e.g. 0 and  $\frac{N}{2}$ .

Please REPLACE the paragraph beginning at page 9, line 9, with the following paragraph:

[0036] The exponential function used as a factor is element-specific and antenna-specific since the two indices  $k$  and  $l$  are components of the exponent. The shift  $\tilde{a}_k - \delta_k$  can be defined so that in its final effect it corresponds to the pattern  $b$ . Then the result of the inverse Fourier transformation on OFDM modulation from the matrix  $\vec{S}_b^{before OFDM}$  is the matrix shown above  $\vec{S}_b$ .